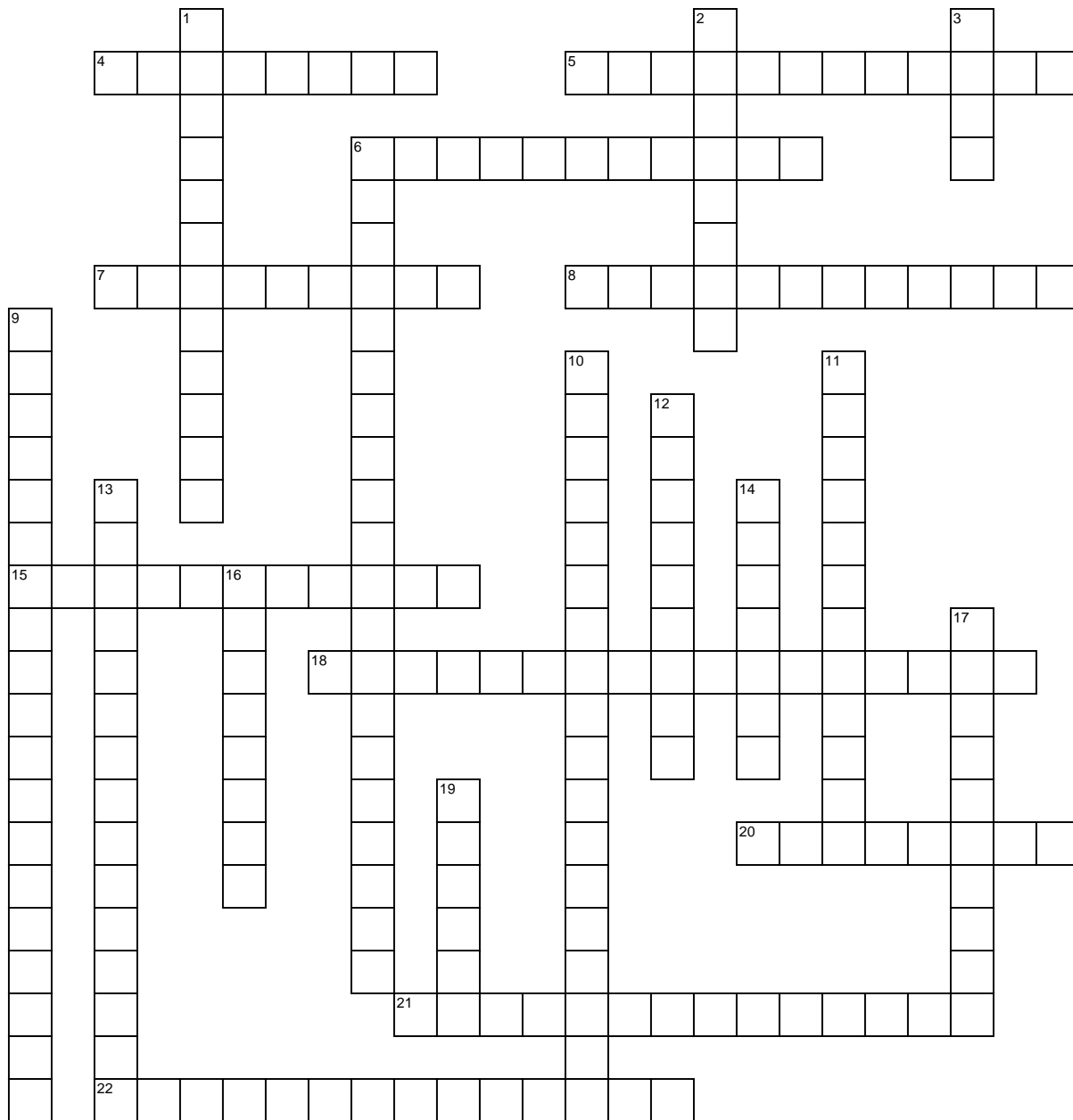


Chapter 9: Patterns of Inheritance



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ACROSS

- 4 People who have one copy of the allele for a recessive disorder but do not exhibit symptoms of the disorder
- 5 Having two different alleles for a given gene
- 6 Parent individuals from which offspring are derived in studies of inheritance
- 7 The expressed trait of an organism
- 8 The offspring of two parental (P-generation) individuals
- 15 Genes located close together on the same chromosome
- 18 The fusion of sperm and egg produced by the same plant
- 20 The genetic makeup of an organism.
- 21 A gene located on either sex chromosome.
- 22 A gene located on the sex chromosome

DOWN

- 1 Organism whose sexual reproduction produces offspring with inherited traits identical to those of the parent.
- 2 A family tree representing the occurrence of heritable traits in parents and offspring across a number of generations.
- 3 The particular site where a gene is found on a chromosome. (Homologous chromosomes have corresponding gene _____)
- 6 The additive effects of two or more gene loci on a single phenotypic characteristic.
- 9 A type of inheritance in which the phenotype of a heterozygous is intermediate between the phenotypes of the two types of homozygotes (AA or aa)
- 10 The fusion of sperm and egg from two different individuals
- 11 the offspring of two F1 generation individuals
- 12 The allele that is masked (not expressed) in a heterozygous individual.
- 13 An experimental mating of individuals differing at one genetic locus
- 14 The offspring of parents of two different species or of two different varieties of one species; the offspring of two parents that differ in one or more inherited traits; an individual that is heterozygous for one or more pairs of genes.
- 16 The allele that determines the phenotype
- 17 Having two identical alleles for a given gene
- 19 An alternate form of a gene